

IN THE CLAIMS

Please cancel claim 23 without prejudice or disclaimer, and amend the claims as follows:

1. (Currently Amended) An ignition coil for igniting a fuel mixture in an internal combustion engine having

a winding element on which is wound a coil winding which is in the form of a cylinder and which may be connected to a spark plug on its frontal surface,

a sheet metal jacket which encloses the winding element with the coil winding on its circumference, and

an elastic insulating element for insulation from high voltage which is in the form of a hollow cylinder mounted on the winding element on a section facing the frontal surface of such winding element, the winding element being electrically connectable to mountable on a spark plug with a terminal of said spark plug received in the hollow portion thereof and having at least [[in]] a part of the spark plug disposed between the winding element and the sheet metal jacket,

characterized in that

at least one of the elastic insulating element and the winding element has a sealing profile in the area in which the elastic insulating element is mounted between the winding element and the sheet metal jacket and

a sealing compound disposed between the winding element and the sheet metal jacket.

2. (Currently Amended) An ignition coil device for igniting a fuel mixture in an internal combustion engine having

a winding element on which is wound a coil winding which winding element is cylindrical in shape and which may be connected on a frontal side to a spark plug,

a sheet metal jacket which encloses the winding element with the coil winding on its circumference, and

an elastic insulating element for insulation from high voltage which is in the form of a hollow cylinder, mounted on the winding element on a section of such winding element facing the frontal surface, the winding element being mounted on a spark plug with a terminal of said spark plug received in the hollow portion thereof and having at least in part disposed between the winding element and the sheet metal jacket,

characterized in that

a cavity between the elastic insulating element and the sheet metal jacket is filled with a sealing compound.

3. (Previously Presented) The ignition coil device as claimed in claim 1, wherein the elastic insulating element comprises an elastomer and is applied by spraying to the winding element.

4. (Previously Presented) The ignition coil device as claimed in claim 1, wherein the elastic insulating element is applied to the winding element by adhesion.

5. (Previously Presented) The ignition coil device as claimed in claim 1, wherein a primary winding is wound on the winding element.

6. (Previously Presented) The ignition coil device as claimed in claim 1, wherein a sealing compound is introduced between the winding element and the sheet metal jacket, in addition to the elastic insulating element.

7. (Previously Presented) The ignition coil device as claimed in claim 1, wherein a cavity extending radially is present between the coil winding and the sheet metal jacket.

8. (Previously Presented) The ignition coil device as claimed in claim 7, wherein the cavity is filled at least in part with a sealing compound.

9. (Previously Presented) The ignition coil device as claimed in claim 1, wherein one of an insulating sheet and a shrunk-on tube is mounted on an outer surface of the coil winding under the sheet metal jacket.

10. (Previously Presented) The ignition coil device as claimed in claim 1, wherein the sheet metal jacket comprises a plurality of metal plates mounted radially one above the other.

11. (Previously Presented) The ignition coil device as claimed in claim 2, wherein the

elastic insulating element comprises an elastomer and is applied by spraying to the winding element.

12. (Previously Presented) The ignition coil device as claimed in claim 2, wherein the elastic insulating element is applied to the winding element by adhesion.

13. (Previously Presented) The ignition coil device as claimed in claim 2, wherein a primary winding is wound on the winding element.

14. (Previously Presented) The ignition coil device as claimed in claim 2, wherein a sealing compound is introduced between the winding element and the sheet metal jacket, in addition to the elastic insulating element.

15. (Previously Presented) The ignition coil device as claimed in claim 2, wherein a cavity extending radially is present between the coil winding and the sheet metal jacket.

16. (Previously Presented) The ignition coil device as claimed in claim 15, wherein the cavity is filled at least in part with a sealing compound.

17. (Previously Presented) The ignition coil device as claimed in claim 2, wherein an insulating sheet or a shrunk-on tube is mounted on an outer surface of the coil winding under the sheet metal jacket.

18. (Previously Presented) The ignition coil device as claimed in claim 2, wherein the sheet metal jacket comprises a plurality of metal plates mounted radially one above the other.

19. (Previously Presented) The ignition coil as claimed in claim 1 wherein at least surface of a portion of said elastic insulating element disposed between said winding element and said sheet metal jacket has a ribbed configuration.

20. (Currently Amended) An ignition coil for igniting a fuel mixture in an internal combustion engine, comprising:

a core element;
primary and secondary windings supported on said core element;
a metallic casing encompassing said windings;
a sealing compound disposed between the winding element and the casing; and
an elastomeric insulating element having an opening therethrough, mountable on a spark plug with a terminal portion of said spark plug extending into said opening in electrical contact with a terminal of said secondary winding, and a portion disposed between said core element and said casing.